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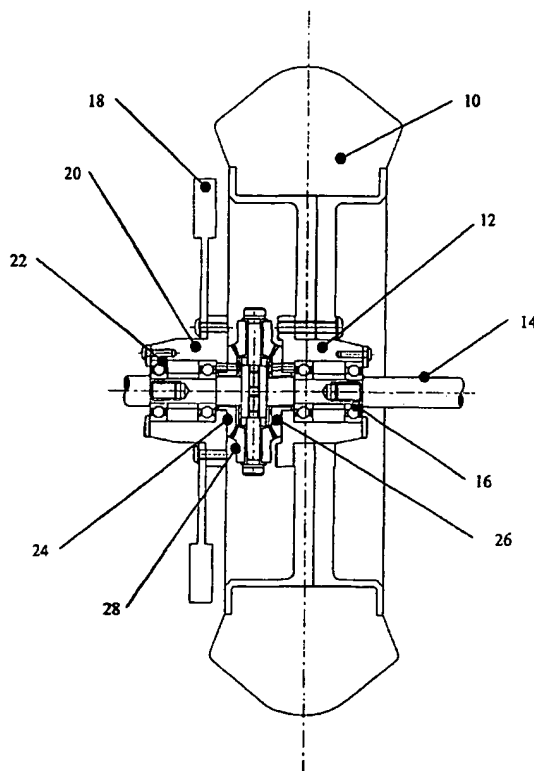
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(54) Title: APPARATUS FOR IMPROVING VEHICLE PERFORMANCE



(57) **Abstract:** There is provided a vehicle, such as a motorcycle, with a flywheel (18) which rotates counter to the direction of rotation of an associated vehicle wheel (10). The flywheel (18) produces a gyroscopic force which is counter the gyroscopic force produced by the rotating wheel (10) and thus reduces or cancels the gyroscopic force of the wheel (10). This can assist changes in tilting of the vehicle and thus in cornering. In the preferred embodiment, the flywheel (18) is a vehicle disc brake (18), which is preferably driven by a planetary gear assembly (54, 60, 62).

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